APRIL/MAY 2025

23USEL44 — PRINCIPLES OF ELECTRONIC APPLIANCES (SEC VII)

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Tell care and clearing of microwave oven.
2. Write down alarm controller in microwave oven.
3. What are the types of washing machines?
4. List out the features of a washing machine.
5. What are the types of air conditioners?
6. Name the gases used in air conditioners.
7. What is FAX?
8. Write the advantages of digital clock.
9. What is barcode?
10. Expand ATM.

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SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) List out the properties of microwave.

Or

(b) What are the safety instructions while using microwave oven?

12. (a) Explain electronic controller for washing machine.

Or

(b) State and explain hardware in a washing machine.

13. (a) State and explain the components of split air conditioner.

Or

(b) Distinguish between all water air conditions and all air conditioning systems.

14. (a) Write short note on Xerographic copier.

Or

(b) State and explain few office digital devices.

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15. (a) Write a short note on electronic fund transfer.

Or

(b) How does barcode work?

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the construction and working of microwave oven with a block diagram.

17. Illustrate construction and function of fuzzy logic washing machine.

18. Explicate the construction and working of air conditioner.

19. Explain how a digital calculator works.

20. Describe online ticket reservation system using internet.

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